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PLAGUE-PREVENTION WORK.

CALIFORNIA.

The following report of plague-prevention work in California for the week ended June 19, 1915, was received from Passed Asst. Surg. Hurley, of the United States Public Health Service, in temporary charge of the work:

San Francisco, Cal.

RAT PROOFING.		RAT PROOFING—continued.	
New buildings:		Old buildings—Continued.	
Inspections of work under construction.	172	Concrete floors installed, 23,776 square feet.....	45
Basements concreted, 16,730 square feet.	51	Basements concreted, 11,743 square feet.	20
Floors concreted, 9,400 square feet.....	52	Yards and passageways, etc., concreted, 27,007 square feet.....	101
Yards, passageways, etc., 13,992 square feet.....	55	Total area concrete laid, square feet.....	62,526
Total area of concrete laid, square feet....	40,122	Floors rat proofed with wire cloth, 5,700 square feet.....	3
Classes A, B, and C (fire proof) buildings:		Buildings razed.....	36
Inspections made.....	178	New garbage cans stamped approved...	863
Roof and basement ventilators, etc., screened.....	6,060	Nuisances abated.....	404
Wire screening used, square feet.....	29,690		
Openings around pipes, etc., closed with cement.....	10,004	OPERATIONS ON THE WATER FRONT.	
Sidewalk lens lights replaced.....	1,180	Vessels inspected for rat guards.....	25
Old buildings:		Reinspections made on vessels.....	28
Inspections made.....	652	New rat guards procured.....	20
Wooden floors removed.....	42	Defective rat guards repaired.....	8
Yards and passageways, planking removed.....	14	Vessels on which cargo was inspected.....	1
Cubic feet new foundation walls installed.....	7,314		

Amount of cargo inspected and description of same.	Condition.	Rat evidence.
Steamer Queen from Seattle:		
50 bales rags.....	O. K.....	None.
80 cases milk and household goods.....	O. K.....	None.
650 sacks of flour, wheat, and peanuts.....	O. K.....	None

Rats trapped on wharves and water front...	30	RATS COLLECTED AND EXAMINED FOR PLAGUE.	
Rats trapped on vessels.....	17	Collected.....	285
Traps set on wharves and water front.....	159	Examined.....	218
Traps set on vessels.....	53	Found infected.....	0
Vessels trapped on.....	11		
Poisons placed on water front (pieces).....	3,600	RATS IDENTIFIED.	
Poisons placed within Panama-Pacific International Exposition grounds (pieces).....	7,200	Mus norvegicus.....	137
Bait used on water front and vessels, bacon (pounds).....	6	Mus rattus.....	66
Amount of bread used in poisoning water front (loaves).....	12	Mus alexandrinus.....	53
Pounds of poison used on water front.....	6	Mus musculus.....	29

Record of plague infection.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	(¹)	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	(¹)	126 rats.
Berkeley.....	Aug. 28, 1907	(¹)	(¹)	None.
Los Angeles.....	Aug. 11, 1908	(¹)	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).	Sept. 24, 1909	Oct. 17, 1909 ²	Aug. 7, 1914	286 squirrels, 1 wood rat.
Contra Costa.....	May 17, 1914	(¹)	Mar. 4, 1915	1,567 squirrels.
Fresno.....	(¹)	(¹)	Oct. 27, 1911	1 squirrel.
Merced.....	(¹)	(¹)	July 12, 1911	5 squirrels.
Monterey.....	(¹)	(¹)	Apr. 10, 1914	6 squirrels.
San Benito.....	June 4, 1913	(¹)	Apr. 13, 1915	37 squirrels.
San Joaquin.....	Sept. 18, 1911	(¹)	Aug. 26, 1911	18 squirrels.
San Luis Obispo.....	(¹)	(¹)	Jan. 29, 1910	1 squirrel.
Santa Clara.....	Aug. 31, 1910	(¹)	July 23, 1913	25 squirrels.
Santa Cruz.....	(¹)	(¹)	May 17, 1910	3 squirrels.
Stanislaus.....	(¹)	(¹)	June 2, 1911	13 squirrels.

¹ None.² Wood rat.*Squirrels collected and examined for plague.*

Contra Costa County.....	763
Alameda County.....	409
San Benito County.....	340
San Joaquin County.....	106
Monterey County.....	115
Merced County.....	88
Santa Clara County.....	51
Stanislaus County.....	57
Total.....	1,909
Found infected.....	0

Ranches inspected and hunted over.

Contra Costa County.....	51
Alameda County.....	46
San Benito County.....	22
San Joaquin County.....	17
Merced County.....	18
Monterey County.....	14
Santa Clara County.....	5
Stanislaus County.....	3
Total.....	176

The work is being carried on in the following-named counties: Alameda, Contra Costa, San Francisco, Merced, San Joaquin, Santa Cruz, Stanislaus, San Benito, Monterey, Santa Clara, and San Mateo.

LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following report of plague-eradication work at New Orleans for the week ended June 26, 1915, was received from Surg. Creel, of the United States Public Health Service, in temporary charge of the work:

OUTGOING QUARANTINE.		BUILDINGS RAT PROOFED—continued.	
Vessels fumigated with sulphur.....	10	By concrete floor and wall.....	301
Vessels fumigated with carbon monoxide...	10	By minor repairs.....	532
Vessels fumigated with hydrocyanic gas....	1	Square yards of concrete laid.....	29,687
Pounds of sulphur used.....	4,115	Total buildings rat proofed.....	1,157
Pounds of coke consumed in carbon monoxide fumigation.....	16,700	Total buildings rat proofed to date.....	42,846
Pounds of potassium cyanide used in hydrocyanic-gas fumigation.....	102	Abatements.....	52
Pounds of sodium carbonate used in hydrocyanic-gas fumigation.....	120	Abatements to date.....	25,429
Pounds of sulphuric acid used in hydrocyanic-gas fumigation.....	104	LABORATORY OPERATIONS.	
Clean bills of health issued.....	27	Rodents received by species:	
Foul bills of health issued.....	6	Mus norvegicus.....	1,567
FIELD OPERATIONS.		Mus rattus.....	91
Rats trapped.....	5,134	Mus alexandrinus.....	92
Premises disinfected.....	4	Mus musculus.....	3,159
Premises inspected.....	19,673	Wood rats.....	75
Notices served.....	43	Muskrats.....	39
BUILDINGS RAT PROOFED.		Putrid (included in enumeration of species).....	110
By elevation.....	195	Total rodents received at laboratory.....	5,023
By marginal concrete wall.....	129	Rodents examined.....	2,102
		Number of suspicious rats.....	6
		Plague rats confirmed.....	1

Rodent case.

Case No.	Address.	Captured.	Diagnosis confirmed.	Treatment of premises.
244	1900 Constance Street.....	June 15, 1915.	June 22, 1915.	Sprayed with pulicide solution; rat proofing immediately initiated; intensive trapping.

Last case of human plague, October 4, 1914.

Last case of rodent plague, June 22, 1915.

Total number of rodents captured to June 26.....	376,774
Total number of rodents examined to June 26.....	263,614

Total cases of rodent plague to June 26, by species:

Mus musculus.....	4
Mus rattus.....	16
Mus norvegicus.....	216
Mus alexandrinus.....	8

Total rodent cases to June 26, 1915... 244

HAWAII—PLAGUE PREVENTION.

The following reports of plague-prevention work in Hawaii were received from Surg. Trotter, of the United States Public Health Service.

Honolulu.

WEEK ENDED JUNE 12, 1915.

Total rats and mongoose taken.....	455	Average number of traps set daily.....	1,085
Rats trapped.....	442	Cost per rat destroyed.....cents..	19
Mongoose trapped.....	13	Last case rat plague, Aiea, 9 miles from Honolulu, Apr. 12, 1910.	
Examined microscopically.....	367	Last case human plague, Honolulu, July 12, 1910.	
Showing plague infection.....	0	Last case rat plague, Kalopa stable, Paauhau, Hawaii, Aug. 29, 1914.	
Classification of rats trapped:		Last case human plague, Paauhau Landing, Hawaii, Aug. 17, 1914.	
Mus alexandrinus.....	201		
Mus musculus.....	175		
Mus norvegicus.....	51		
Mus rattus.....	15		

Hilo.**WEEK ENDED JUNE 5, 1915.**

Rats and mongoose taken.....	2,702	Classification of rats trapped and found dead:	
Rats trapped.....	2,667	Mus norvegicus.....	510
Rats found dead.....	1	Mus alexandrinus.....	381
Mongoose taken.....	34	Mus rattus.....	753
Rats and mongoose examined macroscopically	2,702	Mus musculus.....	1,024
Rats and mongoose plague infected.....	0	Last case of rat plague, Paauhau Sugar Co., Aug.	
		29, 1914.	
		Last case of human plague, Paauhau Sugar Co.,	
		Aug. 16, 1914.	

PORTO RICO—PLAGUE PREVENTION.

During the period from June 5 to 18, 1915, 665 rodents (rats and mice) were examined in Porto Rico. No plague infection was found. The rodents were collected at San Juan, Puerta de Tierra, and Santurce.